

PATENT

Attorney Docket No. 13274

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Browning et al.

Serial No.: 10/608,579

Art Unit: 3

3739

Filed:

June 27, 2003

Examiner:

Cohen, Lee S.

For: SKIN CONDUCTION AND TRANSPORT SYSTEMS

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

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Applicants submit herewith patents, publications, or other information, of which they are aware that they believe may be material, as defined in 37 CFR § 1.56(b), to the examination of this application, and in respect of which, there may be a duty to disclose in accordance with 37 CFR § 1.56(a). While the information referred to in this Information Disclosure Statement may be material pursuant to 37 CFR §1.56(b), the filing of this Information Disclosure Statement is not intended, pursuant to 37 CFR §1.97(h), to constitute an admission that any patent, publication, or other information referred to is, or is considered to be, material to the patentability of this invention. Further, pursuant to 37 CFR §1.97(g), the filing of this Information Disclosure Statement should not be construed as a statement that a

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- 2. Transmitted herewith and forming a part of this Information Disclosure Statement are forms PTO/SB/08A and PTO/SB/08b (4 sheets) on which are listed all cited items of information. Also included are copies of all foreign and non-patent literature documents.
- 3. Enclosed herewith is the fee of \$180 for submission of this Information Disclosure Statement as specified in 37 CFR §1.17(p).

The person making this statement is the practitioner who signs below on the basis of the information in the practitioner's file.

Respectfully submitted,

Registration No. 30,437

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Sheet 1

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

of 4

1449/PTO

Complete if Known					
Application Number	10/608,579	-			
Filing Date	06-27-2003				
First Named Inventor	Browning et al.				
Art Unit	3739				
Examiner Name	Cohen, Lee S.				
Attorney Docket Number	13274				

			U. S. PATEN	DOCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	^{US-} 4,229,479	10-21-1980	Brick et al.	
	A2	^{US-} 4,379,454	04-12-1983	Campbell et al.	
	А3	^{US-} 4,457,748	07-03-1984	Lattin et al.	
	A4	^{US-} 4,458,686	07-10-1984	Clark, Jr.	
	A5	^{US-} 4,705,682	11-10-1987	Moeller et al.	
	A6	^{US-} 4,777,954	10-18-1988	Keusch et al.	
	A7	^{US-} 4,821,733	04-18-1989	Peck	
	A8	^{US-} 4,975,441	12-01-1990	Gibson	
	A9	^{US-} 5,023,085	06-11-1991	Francoeur et al.	
	A10	^{US-} 5,036,861	08-06-1991	Sembrowich et al.	
	A11	^{US-} 5,076,273	12-31-1991	Schoendorfer et al.	
	A12	^{US-} 5,135,480	08-04-1992	Bannon et al.	
	A13	^{US-} 5,139,023	08-18-1992	Stanley et al.	
	A14	^{US-} 5,140,985	08-25-1992	Schroeder et al.	
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		FORE	IGN PATENT DOCU	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
	A20	EP 0 295 092 A2	12-14-1988	Scott et al.		
	A21	EP 0 613 942 A1	09-07-1994	Su		
	A22	EP 0 804 155 B1	11-05-1997	Gyory		
	A23	WO 96/00110	01-04-1996	Tamada et al.		
	A24	WO 00/01351	01-13-2000	Kirby et al.		
	A25	WO 00/33812	06-15-2000	MIranda et al.		

Examiner	Date	
Signature	1 1	
Signature	Considered	

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Complete if Known Substitute for form 1449/PTO Application Number 10/608,579 Filing Date 06-27-2003 INFORMATION DISCLOSURE First Named Inventor Browning et al. STATEMENT BY APPLICANT Art Unit 3739 (Use as many sheets as necessary) **Examiner Name** Cohen, Lee S.

Sheet	2	of	4	Attorney Docket Number	13274

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	B1	^{US-} 5,334,138	08-02-1994	Sage et al.	
	B2	^{US-} 5,358,714	10-25-1994	Green	
	В3	^{US-} 5,441,048	08-15-1995	Schoendorfer	
	B4	^{US-} 5,443,080	08-22-1995	D'Angelo et al.	
	B5	^{US-} 5,498,420	03-12-1996	Edgar et al.	
	B6	^{US-} 5,603,693	02-18-1997	Frenkel et al.	
	B7	^{US-} 5,636,632	06-10-1997	Bommannan et al.	
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	B13	^{US-} 5,874,095	02-23-1999	Deckner et al.	
	B14	^{US-} 5,921,925	07-13-1999	Cartmell et al.	
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	B16	^{US-} 5,954,685	09-21-1999	Tiemey	
	B17	^{US-} 5,993,848	11-30-1999	Suzuki et al.	
	B18	^{US-} 6,180,416 B1	01-30-2001	Kurnik et al.	
	B19	^{US-} 6,233,471	05-15-2001	Berner et al.	

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Sheet 3

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	C1	^{US-} 6,251,083 B1	06-26-2001	Yum et al.	
	C2	^{US-} 6,319,913	11-20-2001	Mak et al.	
	С3	^{US-} 2001/0016682 A1	08-23-2001	Berner et al.	
	C4	^{US-} 2001/0036483 A1	11-01-2001	Luo et al.	
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INFORMATION DISCLOSURE	Filing Date	06-27-2003	
STATEMENT BY APPLICANT	First Named Inventor	Browning et al.	
(Use as many sheets as necessary)	Art Unit	379	
(030 as many should as necessary)	Examiner Name	Cohen, Lee S.	
Sheet 4 of 4	Attorney Docket Number	13274	

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Initials* No.1 the item (book, magazi		the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	D1	BARRY, B.W.; Novel Mechanisms and Devices to Enable Successful Transdermal Drug Delivery; European Journal of Pharmaceutical Sciences 14 (2); 2001; pp 101-114; Elsevier	
	D2	BERTI, JEFFREY J. et al.; Transcutaneous Drug Delivery: A Practical Review; Mayo Clinic Proceedings.; June, 1995; Vol 70(6); pp 581-586	
	D3	HSU, CHANG-SHAN et al.; Anionic Gels as Vehicles for Electrically-Moduated Drug Delivery. I. Solvent & Drug Transport Phenomena; Pharrmaceutical Research; Vol 13, No 12; 1996;	
	D4	KANIKKANNAN, N. et al.; Structure-activity Relationship of Chemical Penetration Enhancers in Transdermal Drug Delivery; Current Medicinal Chemistry; 2000; 7; pp. 593-608	
	D5	PANCHAGNULA, RAMESH; Transdermal Iontophoresis Revisited; Next Generation Therapeutics; pp. 468-473	
	D6	PECK, KENDALL; Flux Enhancement Effects of Ionic Surfactants Upon Passive & Electroosmotic Transdermal Transport; J. of Pharmaceutical Sciences; Vol 87; 9; 09/98;pp. 1161-1169	
	D7	SANDERSON, JOHN E.; Iontophoretic Delivery of Nonpeptide Drugs: Formulation Optimization for Maximum Skin Permeability; J. of Pharmaceutical Sciences; Vol 78; No 5; 05/89; pp. 361-364	
	D8	VYAS, S.P.; et al.; Percutnaeous Permeation: Principles, Means and Methods to Enhance the Permeation; Indian Drugs; 37(10; October, 2000; pp 454-463	-
	D9	WANG, YOUMIN et al.; Effect of Sodium Dodecyl Sulfate on Iontophoresis of Hydrocortisone Across Hairless Mouse Skin; Pharmaceutical Development & Technology; 5(4); pp. 533-542;	
	D10	XU, PING et al.; Enhanced Skin Permeability for Transdermal Drug Delivery: Physiopathological & Physicochemical Considerations; Critical Reviews in Therapeutic Drug Carrier Systems; 8(3)	

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